

Conjugated problem of a thermal explosion

Gajnutdinov R.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The problem of the thermal explosion (TE) of an agent in the form of a plane layer between two plane-parallel inert walls is solved analytically. The critical conditions of TE are investigated. The calculation results are compared with published data. The technological method for determining the TE critical conditions is proposed.
